SAFETY DATA SHEET

Brake Clean

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

SECTION 1: Identification of the substance / mixture and of the company / undertaking

Date issued	10.08.2009
Revision date	13.03.2018

1.1. Product identifier

Product name	Brake Clean
Article no.	25106

1.2. Relevant identified uses of the substance or mixture and uses advised against

Product group	PROFESSIONAL CLEANING SYSTEM
Use of the substance / preparation	Cleaning agent. Degreasing Engine cleaner.
Relevant identified uses	SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen)

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company name	VEIDEC AB
Postal address	Videvägen 9
Postcode	247 64
City	Veberöd
Country	SVERIGE
Telephone number	+46 46 23 89 00
Fax	+46 46 23 89 09
Email	nina.mandahl@veidec.se
Website	http://www.veidec.com
Contact person	Nina Mandahl

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1.4. Emergency telephone number

Emergency telephone	Telephone number: 112 Description: SOS

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Aerosol 1; H222 H229 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H336 Aquatic Chronic 2; H411

2.2. Label elements

Hazard pictograms (CLP)



Composition on the label	Hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic (<0,1% benzene CAS 71-43-2) 25 – 50 %, Hydrocarbons, C6, iso-alkanes, <5% n-hexane (<0,1% benzene CAS 71-43-2) 15 – 30 %
Signal word	Danger
Hazard statements	H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	P251 Do not pierce or burn, even after use. P410+P412 Protect from sunlight. Do no expose to temperatures exceeding 50 °C / 122°F. P211 Do not spray on an open flame or other ignition source. P210 Keep away from heat / sparks / open flames / hot surfaces. – No smoking. P261 Avoid breathing spray.

2.3. Other hazards

Other hazards	No information.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes

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Hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic (<0,1% benzene CAS 71-43-2)	EC No.: 927-510-4 REACH Reg. No.: 01-2119475515-33	Flam. Liq. 2; H225 Asp. tox 1; H304 Skin Irrit. 2; H315 STOT SE3; H336 Aquatic Chronic 2; H411	25 – 50 %
Hydrocarbons, C6, iso-alkanes, <5% n-hexane (<0,1% benzene CAS 71-43-2)	EC No.: 931-254-9 REACH Reg. No.: 01-2119484651-34	Flam. Liq. 2; H225 Asp. tox 1; H304 Skin Irrit. 2; H315 STOT SE3; H336 Aquatic Chronic 2; H411	15 – 30 %
n-Hexane	CAS No.: 110-54-3 EC No.: 203-777-6 Index No.: 601-037-00-0	Flam. Liq. 2; H225; Repr. 2; H361f; Asp. tox. 1; H304; STOT RE 2; H373; Skin Irrit. 2; H315; STOT SE 3; H336; Aquatic Chronic 2; H411;	1 – 2,5 %
Acetone	CAS No.: 67-64-1 EC No.: 200-662-2 Index No.: 606-001-00-8	Flam. Liq. 2; H225; Eye Irrit. 2; H319; STOT SE 3; H336;	5 – 15 %
Ethanol	CAS No.: 64-17-5 EC No.: 200-578-6 Index No.: 603-002-00-5	Flam. Liq. 2; H225;	15 – 20 %
Propane	CAS No.: 74-98-6 EC No.: 200-827-9 Index No.: 601-003-00-5	Flam. Gas 1; H220; Press. Gas (Comp.) ;	2,5 – 10 %
Cyclohexane	CAS No.: 110-82-7 EC No.: 203-806-2 Index No.: 601-017-00-1	Flam. Liq. 2; H225; Asp. tox. 1; H304; Skin Irrit. 2; H315; STOT SE 3; H336; Aquatic Acute 1; H400; M-factor 1; Aquatic Chronic 1; H410; M-factor 1;	< 5 %
Carbon dioxide	CAS No.: 124-38-9 EC No.: 204-696-9	Press. Gas; H280	< 5 %
Description of the mixture	Content in accordance with 648/2004/EC: >30 % aliphatic hydrocarbons.		
Remarks, substance	The full text for all hazard statements is displayed in section 16.		

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Contact physician if discomfort continues.
Inhalation	Fresh air.
Skin contact	Gently wash with plenty of soap and water.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	Due to the small packaging the risk of ingestion is minimal. Do NOT induce vomiting.

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4.2. Most important symptoms and effects, both acute and delayed

General symptoms and effects	In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.

4.3. Indication of any immediate medical attention and special treatment needed

Separate first aid equipment	Eyewash bottle with clean water.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water spray, foam, dry powder or carbon dioxide.
Improper extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Aerosol containers can explode when heated, due to excessive pressure build-up.

5.3. Advice for firefighters

Fire fighting procedures	Follow the general fire precautions indicated by the workplace.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Not relevant.

6.2. Environmental precautions

Environmental precautionary measures	Not relevant considering the small amounts used.

6.3. Methods and material for containment and cleaning up

Containment	Not relevant.
Clean up	No specific clean-up procedure noted.

6.4. Reference to other sections

Additional information	For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Provide good ventilation.

Protective safety measures

Safety measures to prevent fire	Take precautionary measures against static discharges.

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7.2. Conditions for safe storage, including any incompatibilities

Storage	Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Keep in original container.

Conditions for safe storage

Technical measures and storage conditions	No special precautions.

7.3. Specific end use(s)

Specific use(s)	No recommendation given.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
n-Hexane	CAS No.: 110-54-3	Limit value (8 h) : 20 ppm Limit value (8 h) : 72 mg/m³	
Acetone	CAS No.: 67-64-1	Limit value (8 h) : 500 ppm Limit value (8 h) : 1210 mg/m³ **Limit value (short term)** Value: 1500 ppm **Limit value (short term)** Value: 3620 mg/m³	
Ethanol	CAS No.: 64-17-5	Limit value (8 h) : 1000 ppm Limit value (8 h) : 1920 mg/m³	
Cyclohexane	CAS No.: 110-82-7	Limit value (8 h) : 100 ppm Limit value (8 h) : 350 mg/m³ **Limit value (short term)** Value: 300 ppm **Limit value (short term)** Value: 1050 mg/m³	
Carbon dioxide	CAS No.: 124-38-9	Limit value (8 h) : 5000 ppm Limit value (8 h) : 9000 mg/m3	

8.2. Exposure controls

Precautionary measures to prevent exposure

Appropriate engineering controls	No special precautions.

Eye / face protection

Suitable eye protection	Wear approved chemical safety goggles where eye exposure is reasonably probable.
Additional eye protection measures	Provide easy access to water supply and eye wash facilities.

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Hand protection

Suitable gloves type	For prolonged or repeated skin contact use suitable protective gloves.
Suitable materials	Butyl rubber.
Breakthrough time	Value: >480'
Thickness of glove material	Value: 0,7 mm

Skin protection

Suitable protective clothing	Not relevant.

Respiratory protection

Recommended type of equipment	Under normal conditions of use respiration protection should not be required.

Hygiene / environmental

Specific hygiene measures	Wash at the end of each work shift and before eating, smoking and using the toilet.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Aerosol.
Odour	Characteristic.
pH	Comments: Not relevant.
Melting point / melting range	Value: 0 °C
Flash point	Value: < -17 °C
Evaporation rate	Value: 8 Comments: n-BuAc = 1
Vapour pressure	Value: 853000 Pa
Relative density	Value: 0,727 g/ml
Density	Value: 0,727 g/cm³
Auto-ignition temperature	Value: 370 °C
Viscosity	Value: 1 mPa.s

9.2. Other information

Physical hazards

Content of VOC	Value: 97 % Value: 698,84 g/l

SECTION 10: Stability and reactivity

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10.1. Reactivity

Reactivity	No specific conditions are likely to result in a hazardous situation.

10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No data recorded.

10.4. Conditions to avoid

Conditions to avoid	Avoid exposing aerosol containers to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid	None in particular.

10.6. Hazardous decomposition products

Hazardous decomposition products	None under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Other information regarding health hazards

Inhalation	In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
Skin contact	Prolonged or repeated contact may cause irritation.
Eye contact	Causes serious eye irritation.
Ingestion	May irritate and cause malaise.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic, comments	Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

Persistence and degradability, comments	No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential	No data available on bioaccumulation.

12.4. Mobility in soil

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Mobility	No data recorded.

12.5. Results of PBT and vPvB assessment

PBT assessment results	Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

Environmental details, summation	No recommendation given.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

EWL packing	EWC waste code: 150110 packaging containing residues of or contaminated by dangerous substances Classified as hazardous waste: Yes EWC waste code: 150104 metallicpackaging Classified as hazardous waste: No
Other information	150104: The packaging must be empty (drop-free, when inverted).

SECTION 14: Transport information

14.1. UN number

ADR/RID/ADN	1950
IMDG	1950
ICAO/IATA	1950

14.2. UN proper shipping name

ADR/RID/ADN	AEROSOLS
IMDG	AEROSOLS
ICAO/IATA	AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es)

ADR/RID/ADN	2.1
IMDG	2.1
ICAO/IATA	2.1

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Maritime transport in bulk according to IMO instruments

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IMDG Other information

EmS	F-D, S-U

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture

Legislation and regulations	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. 1272/2008/EC on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

15.2. Chemical safety assessment

SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	H220 Extremely flammable gas. H222 Extremely flammable aerosol. H225 Highly flammable liquid and vapour. H229 Pressurised container: May burst if heated. H280 Contains gas under pressure; may explode if heated. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H361f Suspected of damaging fertility. H373 May cause damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.
Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Aerosol 1; H222 H229 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H336 Aquatic Chronic 2; H411
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